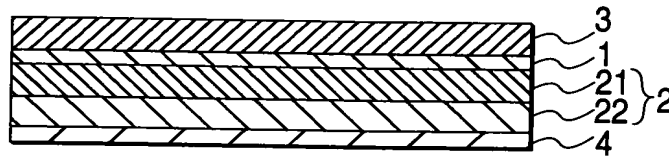


FIG. 1



A diagram of a Bloch sphere illustrating the evolution of a qubit state. The sphere is shown with a vertical axis and a horizontal axis. A point A is marked on the surface. A dashed line represents the path of the state, with points S21, T, and S22 marked. Arrows indicate the direction of evolution. Labels include α RED, α BLUE, α , 45° , and 0° .